	Application No.	Applicant(s)
	10/734,096	GOLDSTEIN ET AL.
Notice of Allowability	Examiner	Art Unit
	Lora E. Barnhart	1651
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT THE Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in the or other appropriate communic GHTS. This application is subj	is application. If not included cation will be mailed in due course. THIS
1. X This communication is responsive to the RCE received 3/7/	<u>′06</u> .	
2. X The allowed claim(s) is/are <u>111-113,115-119,121-126,135-</u>	141,143-146,151,156 and 162	
 Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the: 	der 35 U.S.C. § 119(a)-(d) or (f).
 Certified copies of the priority documents have 	been received.	
2. Certified copies of the priority documents have		
Copies of the certified copies of the priority doc	uments have been received in	this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.	
(a) including changes required by the Notice of Draftsperso	on's Patent Drawing Review (PTO-948) attached
1) Thereto or 2) to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.1 each sheet. Replacement sheet(s) should be labeled as such in the		
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 	sit of BIOLOGICAL MATER FOR THE DEPOSIT OF BIOLO	IAL must be submitted. Note the DGICAL MATERIAL.
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Attachment(s)	•	
1. Notice of References Cited (PTO-892)	5. Notice of Infor	mal Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sum	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08	Paper No./Ma 8), 7. ⊠ Examiner's An	ail Date nendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🗌 Examiner's Sta	atement of Reasons for Allowance
of Biological Material	9.	
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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Magdalena O. Cilella on 5/3/06.

The application has been amended as follows:

Replace claim 111 in its entirety with the following:

- - - 111. A method of preparing a preserved tissue, comprising

providing an uncrosslinked tissue selected from the group consisting of heart valve leaflets, aortic roots, aortic walls, pulmonary valves, pulmonary conduits, non-valved conduits, mitral valves, monocusps, tendons, ligaments, fascia, blood vessels, arteries, veins, ureters, diaphragm, pericardium, umbilical cords, dura mater, and tympanic membranes;

providing an aqueous solution comprising between 15mM and 100mM bio-compatible buffer; between 5% and 30% polyvinylpyrrolidone (v/v); between 5% and 30% isopropanol (v/v); and between 0.1M and 1.5M ascorbate;

combining the aqueous solution with the uncrosslinked tissue;

lowering the temperature of the resulting composition to at least the freezing point of the aqueous solution; and

irradiating the tissue with ionizing radiation to produce a preserved tissue,

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wherein the denaturation temperature of the preserved tissue, when thawed, is reduced or increased by no more than 3°C as compared to the uncrosslinked tissue prior to combination with the aqueous solution.

In claim 112, line 1, replace "the tissue and solution" with - - - the uncrosslinked tissue and the aqueous solution - - -.

In claim 113, line 1, replace "said solution" with - - - said aqueous solution - - -.

Claim 114 is canceled.

Replace claim 115 in its entirety with the following:

- - - 115. The method of claim 111, further comprising subjecting said preserved tissue to extended storage and subsequently thawing said preserved tissue. - - -

In claim 116, line 1, replace "claim 114" with - - -claim 111- - -.

In claim 117, line 1, replace "claim 114" with - - -claim 111- - -.

In claim 118, line 2, replace "said tissue" with - - - said uncrosslinked tissue - - -.

Claim 120 is canceled.

In claim 121, line 1, replace "said tissue" with - - - said uncrosslinked tissue - - -.

In claim 122, lines 1-2, replace "said tissue" with - - - said uncrosslinked tissue - -

In claim 123, line 2, replace "said solution" with - - - said aqueous solution - - -.

In claim 123, line 2, replace "said tissue" with - - - said uncrosslinked tissue - - -.

In claim 124, line 1, replace "said solution" with - - - said aqueous solution - - -.

In claim 124, line 2, replace "said tissue" with - - - said uncrosslinked tissue - - -.

In claim 125, line 1, replace "said solution" with - - - said aqueous solution - - -.

Claim 142 is canceled.

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In claim 125, line 2, replace "said tissue" with - - - said uncrosslinked tissue - - -.

In claim 125, lines 2-3, replace "the solution" with - - - the aqueous solution - - -.

In claim 126, line 1, replace "said solution" with - - - said aqueous solution - - -.

In claim 126, line 2, replace "said tissue" with - - - said uncrosslinked tissue - - -.

Claims 127-134 are canceled.

In claim 135, line 2, replace "said solution" with - - - said aqueous solution - - -.

In claim 140, line 2, replace "said solution" with - - - said aqueous solution - - -.

In claim 141, line 2, replace "said solution" with - - - said aqueous solution - - -.

In claim 143, line 2, replace "said solution" with - - - said aqueous solution - - -.

In claim 145, line 2, replace "said solution" with - - - said aqueous solution - - -.

In claim 146, line 2, replace "said solution" with - - - said aqueous solution - - -.

Claims 147-150 are canceled.

Replace claim 151 in its entirety with the following:

- - - 151. The method of claim 111, wherein the aqueous solution comprises between 10% and 14% polyvinylpyrrolidone (v/v) - - -.

Claims 152-155 are canceled.

Replace claim 156 in its entirety with the following:

- - - 156. The method of claim 111, wherein the aqueous solution comprises about 15% isopropanol (v/v) - - -

Claims 157-161 are canceled.

Replace claim 162 in its entirety with the following:

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SANDRA E. SAUCIER PRIMARY EXAMINER

- - - 162. The method of claim 111, wherein the aqueous solution comprises about 0.5M ascorbate - - - -

Claim 163 is canceled.

Claims 111-113, 115-119, 121-126, 135-141, 143-146, 151, 156, and 162 are allowed, as amended above where appropriate.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lora E. Barnhart whose telephone number is 571-272-1928. The examiner can normally be reached on Monday-Friday, 8:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Wityshyn can be reached on 571-272-0926. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lora E Barnhart

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